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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/803,474

03/17/2004

Stan Cheng

5465

7590  
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08/07/2007

EXAMINER

GABLER, PHILIP FRANCIS

ART UNIT

PAPER NUMBER

3637

MAIL DATE

DELIVERY MODE

08/07/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 2, 4-6, 9, 10, 13 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang (US Patent Number 5164886) in view of Jeong (US Patent Number 6404624).
3. Regarding claims 1, 2, 9, and 13, Chang (Figure 1) discloses a chassis apparatus usable with a computer comprising: a chassis frame (2, including 5, 24, etc.) comprising a set of load-bearing rails (5, portions of 24) located on edges of the frame; and a plurality of protrusions (51, 241) formed on tops of the load-bearing rails, and to laterally secure a removable structure (6) to the chassis frame by coupling the protrusions with portions (60) of the structure formed to be secured thereover, the removable structure configured to be capable of housing at least one small form factor computer component (element 6 is a drive holder). Chang does not disclose the protrusions as supporting a chassis cover (which is present as element 1). Jeong (Figures 1 and 4C) discloses a computer chassis apparatus including a load-bearing surface (upper surface of 40) including protrusions, or means for supporting a chassis cover, (viewed as A in Exhibit 1) configured to support a chassis cover (180). [See

Figure 4C and column 4 lines 2-7 for disclosure of 40 (and protrusions A) acting as a support for the cover, monitor, etc.] Accordingly, it would have been obvious to one of ordinary skill in the art to replace Chang's protrusions with Jeong's protrusions (i.e. domes which would engage the cover in place of hooks that do not) because this arrangement would provide additional strength and support to the chassis apparatus by better supporting the cover while still securing the removable structure (the holes of the removable structure would be fitted over and around the protrusions, laterally securing the structure in at least two directions).

4. Regarding claim 4, Chang and Jeong further disclose flat-topped protrusions (see figures).

5. Regarding claims 5 and 6, Chang and Jeong further disclose protrusions which are mounted to and integrally formed with the load-bearing rails.

6. Regarding claim 10, Chang further discloses the portions of the structure comprise protrusions corresponding to the protrusions of the chassis frame (portions of protrusions 60 mate with the protrusions of the frame).

7. Regarding claim 14, Chang discloses a computer chassis apparatus comprising: a computer chassis frame (2, including 5, 24, etc.) for a form factor computer comprising at least two upward facing surfaces (upper surfaces of 5 and 24); a plurality of oblong rounded structures (51, 241) formed into the upward facing surfaces of the computer chassis frame and distributed along the surfaces; a removable drive frame (6) capable of supporting a plurality of drives of different sizes adapted to be installed within the computer chassis, the removable drive frame comprising interface structures (601)

Art Unit: 3637

corresponding to each rounded structure. Chang does not disclose domes on the upward facing surfaces for supporting a chassis cover (the cover present as element 1). Jeong discloses a computer chassis frame with domes (A) formed on an upward facing surface for supporting a chassis cover. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Chang's oblong rounded structures to be domes as taught by Jeong because this arrangement would make installation and removal of the removable drive frame quicker and more simple (the frame could simply be placed on the upward facing surfaces with the interface structures fitting over the domes rather than sliding under hooks) as well as providing better support for the cover.

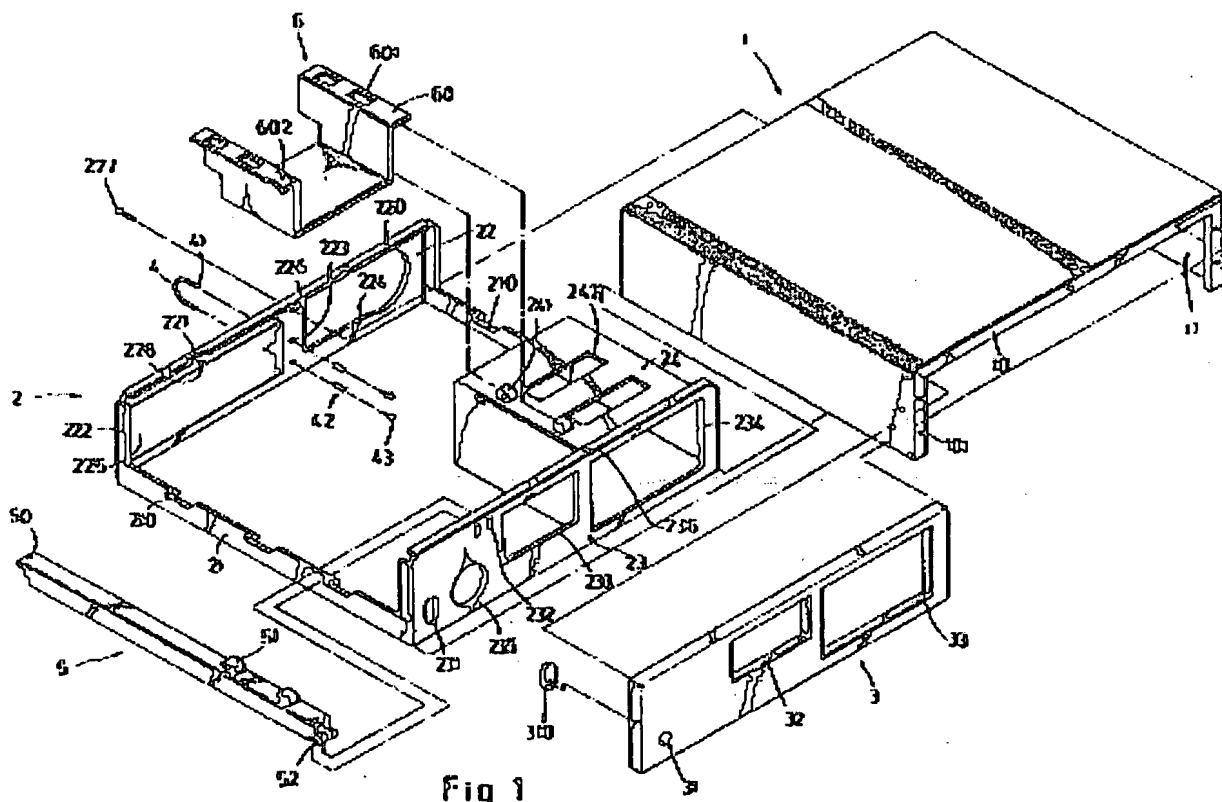


Fig 1

Chang '886 Figure 1

Fig. 1

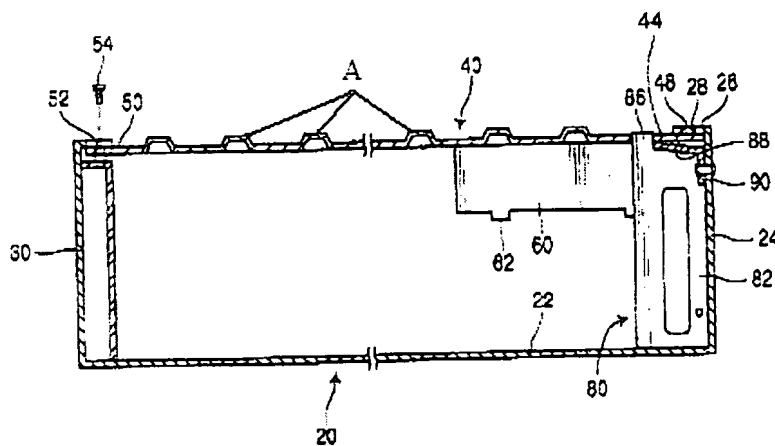
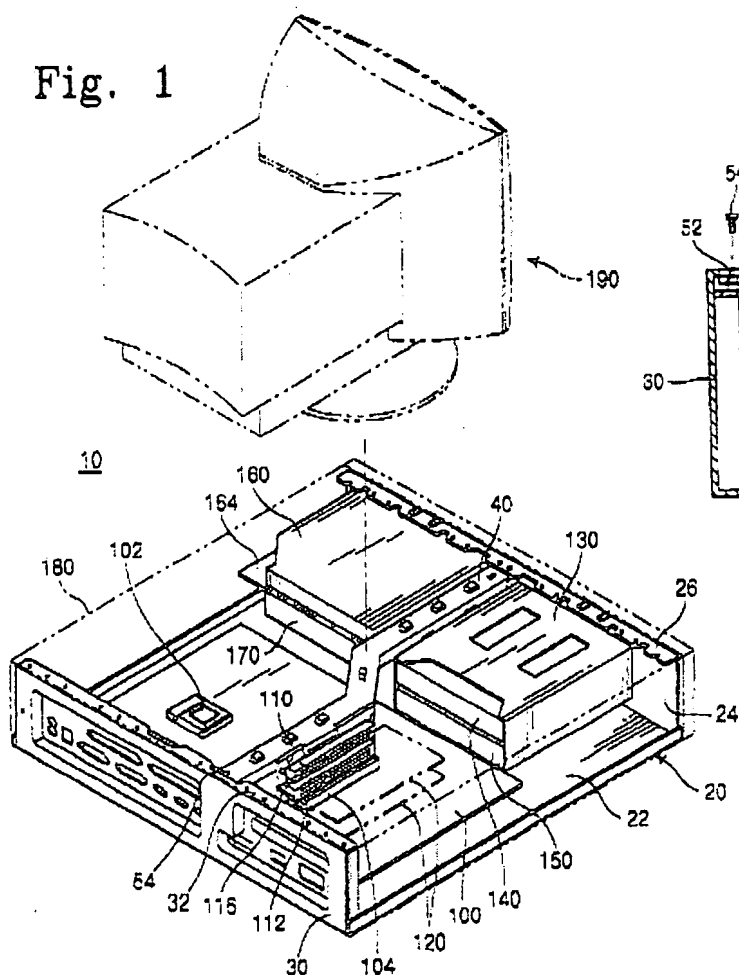


Fig. 4C

Exhibit 1: Jeong '624 Figures 1 and 4C

**Response to Arguments**

8. Applicant's arguments, see remarks, filed 17 July 2007, with respect to the 35 USC 102 and 112 rejections have been fully considered and are persuasive. The USC 102 and 112 rejections have been withdrawn.

9. The remainder of Applicant's arguments filed 17 July 2007 have been fully considered but they are not persuasive. The prior art is viewed as disclosing a device

meeting the limitations set forth in the claims. Specifically, the combination of Chang and Jeong discloses protrusions or oblong domes as claimed, the rails being viewed as located (at least broadly) at edges of the frame. Accordingly, the 35 USC 103 rejections have been maintained.

### ***Conclusion***

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

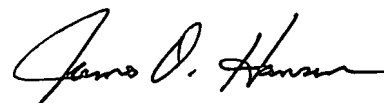
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Gabler whose telephone number is (571) 272-6038. The examiner can normally be reached on Monday through Friday, 8:30 AM to 5:00 PM.

Art Unit: 3637

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on (571) 272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PFG  
8/3/2007



JAMES O. HANSEN  
PRIMARY EXAMINER

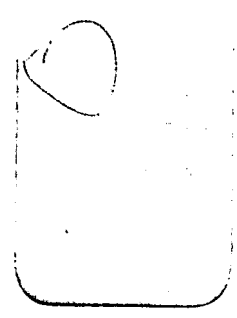


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